

Converting Colors

CIELCh(48, 75.992, 6.607)

Have a look what the booklet for
CIELCh(48, 75.992, 6.607) contains.

CIELCh(48, 75.911, 6.476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 75.911, 6.476)

Conversions

Conversions Part 1

Format	Color
Hex	DF0567
RGB	223, 5, 103
RGB Percent	87%, 2%, 40%
CMY	0.1252, 0.9792, 0.5959
CMYK	0.00, 0.98, 0.54, 0.13
HSL	333°, 95%, 45%
HSV	333°, 98%, 87%
XYZ	32.9626, 16.7945, 14.3515
YIQ	81.3540, 98.4700, 76.6940

Conversions

Conversions Part 2

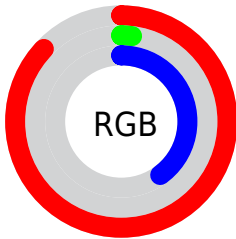
Format	Color
R_YB	223, 5, 103
Decimal	14615911
CIE Lab	48.00, 75.43, 8.56
CIE LCh	48, 75.911, 6.476
Yxy	16.7945, 0.5142, 0.2620
Android (android.graphics.Color)	4292805991 (0xFFDF0567)
YUV	81.3540, 10.6715, 124.2235
Hunter-Lab	40.9810, 71.8573, 7.9235

Details

The CIELCh color **48, 75.911, 6.476** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 75.635, 152.088**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.344, 0.302**, and **34, 60.700, 15.457** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.320, 7.576**, and if you desaturate by 10%, it is **49, 73.860, 2.115**.

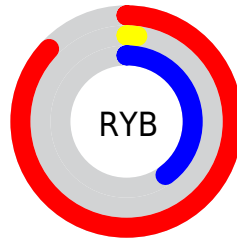
Distribution



Red (87%)

Green (2%)

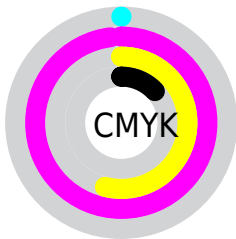
Blue (40%)



Red (87%)

Yellow (2%)

Blue (40%)

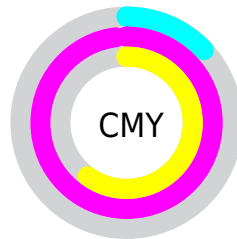


Cyan (0%)

Magenta (98%)

Yellow (54%)

Black (13%)



Cyan (13%)

Magenta (98%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 75.911, 6.476 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 48, 75.911, 6.476 by changing the saturation by 10% instead.

 48, 75.911, 6.476  48, 75.911, 6.476

 100, 75.911, 6.476  38, 75.911, 6.476

 68, 75.911, 6.476  28, 75.911, 6.476


 78, 75.911, 6.476  18, 75.911, 6.476

 88, 75.911, 6.476  8, 75.911, 6.476

 98, 75.911, 6.476  0, 75.911, 6.476

 48, 75.911, 6.476  48, 75.911, 6.476

 48, 76.320, 7.576  49, 73.860, 2.115

 51, 69.919,
358.617

■ 54, 63.930,
355.863

■ 58, 56.197,
353.677

■ 63, 47.217,
351.907

■ 68, 37.492,
350.438

■ 73, 27.434,
349.186

■ 79, 17.339,
348.094

■ 84, 7.402, 347.102

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48, 75.911, 6.476



79, 75.635, 152.088

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48, 75.911, 6.476



48, 75.911, 56.476



48, 75.911, 186.476



48, 75.911, 236.476

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48, 75.907, 6.478



81, 32.138, 349.374



38, 110.766, 313.112



41, 22.093, 349.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 75.907, 6.478



55, 84.451, 7.980



47, 92.565, 39.896



44, 5.557, 347.281



37, 63.912, 6.731



6, 25.989, 358.433

Inverse Universe

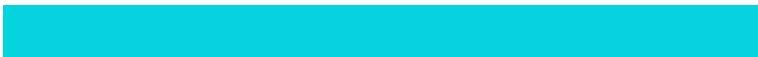
The Inverse Universe completely reimagines the original color for something new.



48, 75.907, 6.478



55, 84.451, 7.980



78, 42.280, 204.611



44, 5.557, 347.281



37, 63.912, 6.731



6, 25.989, 358.433

Previews

White Background



This preview shows how the CIELCh color 48, 75.911, 6.476 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 75.911, 6.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

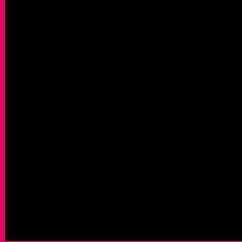
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 75.911, 6.476

Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.911, 6.476.



This preview shows how white text looks on a background with the CIELCh color 48, 75.911, 6.476.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48, 75.911, 6.476

Protanopia

49, 20.702, 285.104

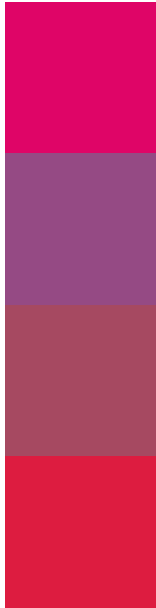
Deuteranopia

49, 14.333, 63.765



Tritanopia
48, 80.493, 34.525

Trichromacy



Original Color
48, 75.911, 6.476

Protanomaly
43, 43.528, 334.876

Deuteranomaly
44, 41.035, 6.973

Tritanomaly
48, 77.104, 24.575

Monochromacy



Original Color
48, 75.911, 6.476

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 38.158, 353.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 75.911, 6.476 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 5, 103)` looks like.

```
.text, #text, p{  
    color:rgb(223, 5, 103)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 5, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 5, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 75.911, 6.476 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 5, 103) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 5, 103) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 5, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 5, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 5, 103);  
box-shadow:4px 4px 4px 4px rgb(223, 5,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 75.911, 6.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 5, 103) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223, 5,  
103) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor